

# Index of Subjects

Volume 61, 1970

- Absorption**  
 $B_{12}$  in the intestine, effect of calcium on, 141
- Actinomycin D**  
effect on renal  $\beta$ -glycosidases during  $HgCl_2$ -induced nephrotoxicity, 57
- Adenosine diphosphate**  
platelet aggregation induced by, 161
- Aging**  
lesions associated with in germfree rats, 25
- Allografts**  
renal in HL-A matched recipients, 177
- Alveoli**  
surface activity correlated with morphology of, 303
- Aorta**  
lesion produced by homocysteinemia, 1  
ligation in experimental hypertension, 357
- Arteriosclerosis**  
homocysteinemia-induced, 1  
mesenteric arteries of rats with renal hypertension, 377
- ATP**  
role in platelet aggregation, 75
- Basophilic degeneration**  
of myocardium, 99
- Brain**  
virus recovery from in SSPE, 275
- Calcium**  
role of in ADP-induced platelet aggregation, 75  
role of in  $B_{12}$  absorption in intestine, 141  
serum concentrations in osteopetrosis in chickens, 257
- Cholestasis**  
effect of digitonin on, 473
- Cholesterol**  
complex with digitonin, 473  
in homocysteinemic rabbits, 1
- Choline**  
effect of deficient diets on rats hepatocytes, 407
- Choriomeningitis**  
glomerular lesions in mice, 117
- Collagen**  
metabolism of, effect of penicillamine on, 249
- Complement**  
 $C3a$ , lesions after intradermal injection of, 13  
glomerular localization in anti-GBM-induced nephritis, 329
- Cytochrome c oxidase**  
mitochondrial, effect of  $HgCl_2$  on, 57
- Digitonin**  
effects on normal and cholestatic rat livers, 473
- Enzymes**  
disorders of sulfur amino acid metabolism, 1  
activity of lysosome in  $Hg^{2+}$ -induced nephropathy, 57
- Epiphyseal plate**  
penicillamine-induced changes (rat), 249
- DL-Ethionine**  
resolution of hepatic changes induced by, 211
- Fibrin**  
deposition in experimental hypertension, 357
- Glomerulus**  
lesions in choriomeningitis (mice), 117  
radiation-induced changes in, 25
- Glomerulonephritis** (see nephritis)
- Glucose-6-phosphatase**  
activity during  $HgCl_2$  nephrotoxicity
- $\beta$ -Glucuronidase**  
activity during  $HgCl_2$  nephrotoxicity, 57
- Glycogen metabolism**  
disorder of, basophilic degeneration of myocardium, 99
- Halothane**  
liver disease after, 451
- Hepatitis**  
halothane, liver in, 451
- Hepatocytes**  
effect of choline-deficient diet on rat, 407
- Homocysteinemia**  
arteriosclerosis produced by, 1
- Hyperplasia**  
water-clear cell of parathyroid, 233

- Hypertension**  
experimental, endothelial permeability in, 357  
arteriosclerosis in mesenteric arteries, 377
- Hypothyroidism**  
basophilic degeneration in, 108
- Idiopathic cardiopathy**  
basophilic degeneration in, 108
- Immunoglobulin**  
deposition in glomeruli, 329
- Inflammation**  
role of C3a, 13
- Intestine**  
effect of calcium on  $B_{12}$  absorption, 141
- Jejunum**  
cellular proliferation in protein-deficient rats, 321
- Kidney**  
allografts in HL-A matched recipients, 177  
deposition of immunoglobulin in glomeruli, 329  
glomerular lesions, congenital lymphocytic choriomeningitis, 117  
necrosis,  $Hg^{2+}$ -induced, 57  
nephritis, radiation induced, 37  
renal ischemia in experimental hypertension, 357  
spontaneous glomerulonephritis in *Galago*, 431
- Lafora's disease**  
basophilic degeneration in, 107
- Lipids**  
deposition in aortic lesions in homocystinemia, 1  
phospholipid surfactant of lung, 303
- Liver**  
changes induced by DL-ethionine, resolution of, 211  
choline-deficient diets, effect on hepatocytes, 407  
effects of digitonin on normal and cholestatic, 473  
in mild halothane hepatitis, 451
- Lung**  
surface complexes of, 303
- Lymphoma**  
malignant, geographic aspects of, 85
- Lysosome**  
enzyme changes in  $Hg^{2+}$ -induced kidney necrosis, 57
- Mast cells**  
separation in successive stages of differentiation, 285
- Mercury**  
intracellular distribution during acute renal injury, 57
- Methionine**  
arteriosclerosis and, 1
- Mucopolysaccharide**  
lung, cytochemical partition of, 303
- Myeloma**  
multiple, geographic aspects of, 85
- Myocardium**  
basophilic degeneration of, 99
- Nephritis**  
mediated by anti-GBM, 329  
radiation-induced, 37  
spontaneous in *Galago*, 431
- Osteopetrosis**  
alterations in parathyroid glands (chickens), 257
- Panencephalitis**  
subacute sclerosing, morphologic features in, 275
- Parathyroid gland**  
water-clear cell hyperplasia of, 233  
alterations in osteoporosis, 257
- Penicillamine**  
induced changes in epiphyseal plate, 249
- Phospholipid**  
surfactant of lung, cytochemical partition, 303
- Platelet aggregation**  
adenosine-diphosphate induced and vascular injury, 161  
tissue-specific induction *in vitro*, 75
- Protein**  
deficiency and malnutrition, interaction in x-irradiation, 321  
plasma, in vascular injury, 357
- Proteoglycans**  
sulfated molecules in homocysteine-induced arteriosclerosis, 1
- Radiation**  
interaction with malnutrition, 321  
nephritis, chronic changes after high doses, 37
- Sedimentation**  
programmed gradient, 285
- Seminiferous tubules**  
effect of immobilization on epithelium of, 491
- Skin**  
activity of C3a in, 13
- Spermatogenesis**  
cellular changes in inhibition of, 491

**Surfactant**

phospholipid, of lung, cytochemical partition of, 303

**Testis**

ultrastructural alterations in immobilized monkeys, 491

**Transplantation**

renal, histocompatibility antigens and rejection, 177

**Triglycerides**

accumulation in hepatocytes in choline-deficient diets, 407

**Vascular**

arteriosclerotic lesions in hypertension, 377

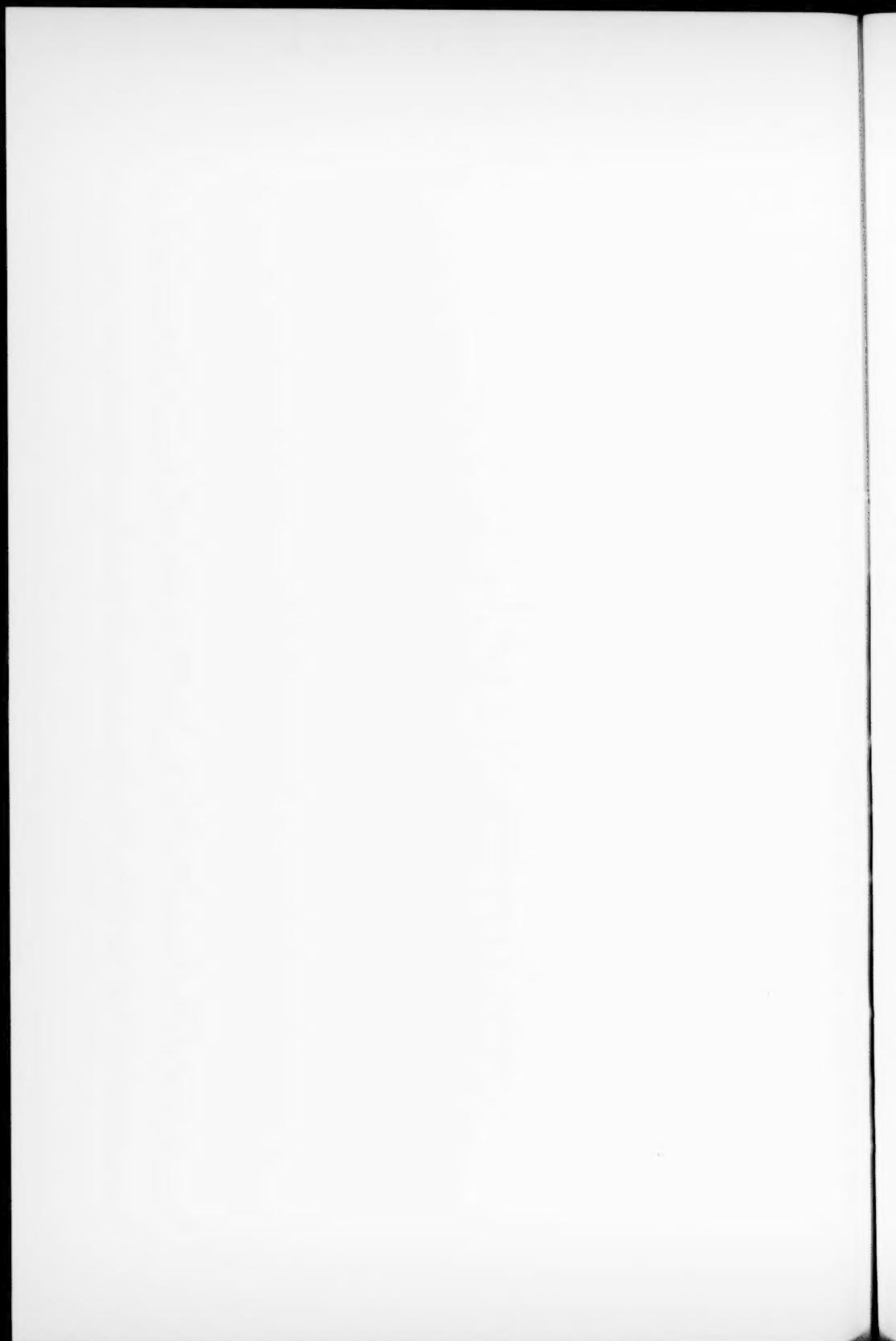
injury, ADP-induced platelet aggregation, 161

lesions, homocysteinemia-induced, 1 permeability, effect of C3a on, 13

**Virus infection**

choriomeningitis, congenital lymphocytic-glomerular lesions in, 117

panencephalitis, subacute sclerosing, 275



## Index of Authors

Volume 61, 1970

<b>Adamson IYR, Bowden DH:</b> The surface complexes of the lung: a cytochemical partition of phospholipid surfactant and mucopolysaccharide (December) .....	359
<b>Anderson RE, Ishida K, Ii Y, Ishimaru T, Nishiyama H:</b> Geographic aspects of malignant lymphoma and multiple myeloma: select comparisons involving Japan, England and the United States (October) .....	85
<b>Bergeron JA:</b> See Burkholder PM, Bergeron JA .....	437
<b>Boitnott JK:</b> See Uzunalimoglu B, Yardley JH, Boitnott JK .....	457
<b>Bossen EH:</b> See Rowlands DT Jr, Burkholder PM, Bossen EH, Lin H-H .....	177
<b>Bowden DH:</b> See Adamson IYR, Bowden DH .....	359
<b>Brown WJ:</b> See Verity MA, Brown WJ .....	57
<b>Bruni C, Hegsted DM:</b> The effects of choline-deficient diets on the rat hepatocyte: electron microscopic observations (December) .....	413
<b>Burkholder PM:</b> See Rowlands DT Jr, Burkholder PM, Bossen EH, Lin H-H .....	177
<b>Burkholder PM, Bergeron JA:</b> Spontaneous glomerulonephritis in the prosimian primate <i>Galago</i> : a correlative light, immunofluorescence and electron microscopic analysis (December) .....	437
<b>Capen CC:</b> See Youshak MS, Capen CC .....	257
<b>Cassady I:</b> See Pretlow TG, Cassady I .....	323
<b>Churg J:</b> See Madrazo A, Suzuki Y, Churg J .....	37
<b>Cockett ATK:</b> See Gondos B, Zemjanis R, Cockett ATK .....	497
<b>Deo MG:</b> See Verma K, Deo MG, Sharma U, Ramalingaswami V .....	341
<b>Gallo GB:</b> Elution studies in kidneys with linear deposition of immunoglobulin in glomeruli (December) .....	377
<b>Gondos B, Zemjanis R, Cockett ATK:</b> Ultrastructural alterations in the semipermeable epithelium of immobilized monkeys (December) .....	497
<b>Graham DG:</b> See Parker JC Jr, Klintworth GK, Graham DG, Griffith JF .....	275
<b>Griffith JF:</b> See Parker DG Jr, Klintworth GK, Graham DG, Griffith JF .....	275
<b>Hegsted DM:</b> See Bruni C, Hegsted DM .....	413
<b>Hovig T:</b> See Jørgensen L, Hovig T, Rowsell HC, Mustard JF .....	161
<b>Hüttner I, More RH, Rona G:</b> Fine structural evidence of specific mechanism for increased endothelial permeability in experimental hypertension (December) .....	395
<b>Ii Y:</b> See Anderson RE, Ishida K, Ii Y, Ishimaru T, Nishiyama H .....	85
<b>Ishida K:</b> See Anderson RE, Ishida K, Ii Y, Ishimaru T, Nishiyama H .....	85
<b>Ishimaru T:</b> See Anderson RE, Ishida K, Ii Y, Ishimaru T, Nishiyama H .....	85
<b>Jørgensen L, Hovig T, Rowsell HC, Mustard JF:</b> Adenosine diphosphate-induced platelet aggregation and vascular injury in swine and rabbits (November) .....	161
<b>Kajima M, Pollard M:</b> Ultrastructural pathology of glomerular lesions in gnotobiotic mice with congenital lymphocytic choriomeningitis (LCM) virus infection (November) .....	117
<b>—:</b> See Pollard M, Kajima M .....	25
<b>Klintworth GK:</b> See Parker JG Jr, Klintworth GK, Graham DG, Griffith JF .....	275
<b>Lascano EF:</b> See Rosai J, Lascano EF .....	99
<b>Lepow IH, Willims-Kretschmer K, Patrick RA, Rosen FS:</b> Gross and ultrastructural observations on lesions produced by intradermal injections of human C3a in man (October) .....	13
<b>Lin H-H:</b> See Rowlands DT Jr, Burkholder PM, Bossen EH, Lin H-H .....	177
<b>Madrazo A, Suzuki Y, Churg J:</b> Radiation nephritis: II. Chronic changes after high doses of radiation (October) .....	37
	523

McCully KS, Ragsdale BD: Production of arteriosclerosis by homocysteinemia (October) .....	1
Miyai K, Ritchie A: Natural resolution of hepatic ultrastructural changes induced by DL-ethionine (November) .....	211
More RH: See Hüttner I, More RH, Rona G .....	395
Mustard JF: See Jørgensen L, Hovig T, Rowsell HC, Mustard JF .....	161
Nishiyama H: See Anderson RE, Ishida K, Ii Y, Ishimaru T, Nishiyama H .....	85
Parker JC Jr, Klintworth GK, Graham DG, Griffith JF: Uncommon morphologic features in subacute sclerosing panencephalitis (SSPE): report of two cases with virus recovery from one autopsy brain specimen (November) .....	275
Patrick RA: See Lepow IH, Willms-Kretschmer K, Patrick RA, Rosen FS .....	13
Pollard M, Kajima M: Lesions in aged germfree Wistar rats (October) .....	25
Pretlow TG, Cassady I: Separation of mast cells in successive stages of differentiation using programmed gradient sedimentation (December) .....	323
Ragsdale RD: See McCully KS, Ragsdale BD .....	1
Ramalingaswami V: See Verma K, Deo MG, Sharma U, Ramalingaswami V .....	341
Rhodin J: See Weisberg H, Rhodin J .....	141
Riede UN: Penicillamine-induced changes in growing rats: I. Epiphyseal plate (November) .....	249
Ritchie A: See Miyai K, Ritchie A .....	211
Rona G: See Hüttner I, More RH, Rona G .....	395
Rosai J, Lascano EF: Basophilic (mucoid) degeneration of myocardium: a disorder of glycogen metabolism (October) .....	99
Rosen FS: See Lepow IH, Willms-Kretschmer K, Patrick RA, Rosen FS .....	13
Roth SI: The ultrastructure of primary water-clear cell hyperplasia of the parathyroid glands (November) .....	233
Rowlands DT Jr, Burkholder PM, Bossen EH, Lin H-H: Renal allografts in HL-A matched recipients: light, immunofluorescence and electron microscopic studies (November) .....	177
Rowsell HC: See Jørgensen L, Hovig T, Rowsell HC, Mustard JF .....	161
Schafner F: See Scharnbeck H, Schaffner F .....	479
Scharnbeck H, Schaffner F: Effects of digitonin in normal and cholestatic rat livers: electron microscopic observations (December) .....	479
Sharma U: See Verma K, Deo MG, Sharma U, Ramalingaswami V .....	341
Suzuki Y: See Madrazo A, Suzuki Y, Churg J .....	37
Ts'ao C-h: Tissue-specific induction of platelet aggregation <i>in vitro</i> (October) .....	75
Uzunalimoglu B, Yardley JH, Boitnott JK: The liver in mild halothane hepatitis: light and electron microscopic findings with special reference to the mononuclear cell infiltrate (December) .....	457
Verity MA, Brown WJ: Hg <sup>2+</sup> -induced kidney necrosis: subcellular localization and structure-linked lysosomal enzyme changes (October) .....	57
Verma K, Deo MG, Sharma U, Ramalingaswami V: Interaction of x-radiation and malnutrition: a study of kinetics of cellular proliferation in the jejunum of protein-deficient rats (December) .....	341
Weisberg H, Rhodin J: Relation of calcium to mucosal structure and vitamin B <sub>12</sub> absorption in the canine intestine (November) .....	141
Willms-Kretschmer K: See Lepow IH, Willms-Kretschmer K, Patrick RA, Rosen FS .....	13
Yardley JH: See Uzunalimoglu B, Yardley JH, Boitnott JK .....	457
Youshak MS, Capen CC: Fine structural alterations in parathyroid glands of chickens with osteopetrosis (November) .....	257
Zemjanis R: See Gondos B, Zemjanis R, Cockett ATK .....	497

